Application No.: 10/525,850

Amendment dated: 09/07/2007

Reply to Office Action of: 06/15/2007

REMARKS

In response to the Office Action dated June 15, 2007, please consider the following:

New Claim 26 defines a method of measuring the concentration level of a preselected gas

in an environment including steps 1 through 7 as enumerated. These steps include creating a

light beam, splitting the light beam into three components, one component being used to measure

the intensity of the light beam, the second component being passed multiple times through a

confined testing area within a detecting instrument and thence to a second photo detector for

providing a second electrical signal indicative of a concentration measurement corresponding to

a lower concentration level, and the third component passing through a reduced length path

through the confined testing area and then to a third photo detector for providing a third electrical

signal indicative of a concentration measurement corresponding to a higher concentration level.

The final step in the method of Claim 26 is employing the first, second and third electrical

signals for determining the concentration level of the preselected gas in the stream of sample gas.

Claim 9 has been amended to include the essence of Claim 11 which Examiner Merlino

has indicated to be patentable. Therefore, it is deemed that Claim 9 has been determined to be

allowable, and therefore, Claims 8-10 and 12-25 that depend from Claim 9 are deemed to have

been determined to be allowable. The method claim has been rewritten. That is, a new Claim 26

is substituted for former Claim 1. Method Claim 26 includes the unique aspect of the present

invention as Examiner Merlino has indicated constitutes patentable subject matter in that Claim 9

provides a method that employs splitting a light beam into three components, converting each

component into an electrical signal wherein the third component includes passing the light beam

over a reduced length path in the confined testing area and thence to a third photo detector and

then providing a third electrical signal indicative of a concentration measurement corresponding

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to a higher concentration level. Thus, in view of the allowability of apparatus Claim 11, new

method Claim 26 should be allowable and correspondingly, Claims 2-6 which depend from it

should also be allowable.

Therefore, it is believed that the application should be in condition for a Notice of

Allowance.

If Examiner Merlino finds problems with any of the claims that need to be corrected

before the case is in condition for allowance, the Examiner is respectfully invited to contact the

undersigned at (918) 595-4963 so that hopefully any remaining issues can be resolved in a

telephone interview to thereby expedite grant of the patent.

The thorough examination given the application by Examiner Merlino is acknowledged

with grateful appreciation.

Applicant authorizes the Patent Office to charge the additional claim in excess of twenty

under 37 CFR 1.16(i) in the amount of \$50.00 to Deposit Account No. 50-1971. In addition,

please charge any additional fees required by this paper or credit any overpayment to Deposit

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Account No. 50-1971.

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Respectfully submitted,

H. Johnson

Date: September 7, 2007

Registration No. 19,224

PTO Customer No. 28,827

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